

### **ABSTRACT**

A channel, which needs to be allocated a channelisation code, is determined on its type of CPM method to be deployed, where a channelisation code is selected according to a code-allocation strategy where there is a channelisation code selected from a list with candidate channelisation with distinction between channelisation codes for channels which do need reallocation during CPM and channelisation codes for channels that do not need reallocation during CPM. Downlink channels within an implementation of a Code Division Multiple Access (CDMA) system, e.g. a Wideband CDMA system, are allocated to channelisation codes in a primary or secondary code tree, each tree having its own scrambling code. During Compressed Mode (CPM), channels which need reallocation during CPM are reallocated to one of the alternative code trees related to the primary or secondary code trees, depending on their original channelisation code in the primary or secondary code tree.